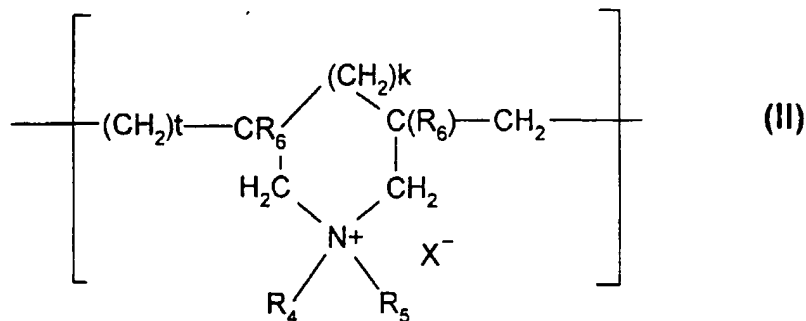


wherein:

- R<sub>1</sub> is chosen from a hydrogen atom, C<sub>1</sub>-C<sub>6</sub> alkyl groups, C<sub>1</sub>-C<sub>5</sub> monohydroxyalkyl groups, and C<sub>2</sub>-C<sub>5</sub> polyhydroxyalkyl groups,
- R<sub>2</sub> is chosen from a hydrogen atom, a -CONH<sub>2</sub> group, C<sub>1</sub>-C<sub>5</sub> monohydroxyalkyl groups, and C<sub>2</sub>-C<sub>5</sub> polyhydroxyalkyl groups, and
- R<sub>3</sub> is chosen from a hydrogen atom, and a hydrogen group, and

(ii) at least one cationic polymer chosen from:

(1) homopolymers and copolymers comprising, as a constituent of the chain, at least one unit chosen from units formula (II):



wherein:

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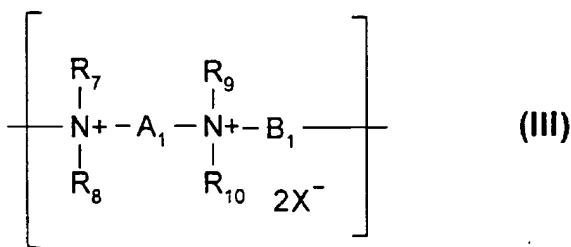
- k and t, which are identical or different, are each chosen from 0 and 1, provided that the sum of k + t is equal to 1;

R<sub>4</sub> and R<sub>5</sub>, which are identical or different, denote an alkyl group having from 1 to 22 carbon atoms, a (C<sub>1</sub>-C<sub>5</sub>)hydroxyalkyl group, a (C<sub>1</sub>-C<sub>4</sub>)amidoalkyl group, or R<sub>4</sub> and R<sub>5</sub> denote, together with the nitrogen atom to which they are attached, a piperidinyl or morpholinyl group;

R<sub>6</sub> denotes a hydrogen atom or a methyl radical;

X<sup>-</sup> is an anion;

-(2) the quaternary diammonium polymers containing repeat units of the following formula (III):



in which:

R<sub>7</sub>, R<sub>8</sub>, R<sub>9</sub> and R<sub>10</sub>, which are identical or different, represent aliphatic, alicyclic or arylaliphatic

radicals containing from 1 to 20 carbon atoms or lower hydroxyalkylaliphatic radicals,

or else R<sub>7</sub>, R<sub>8</sub>, R<sub>9</sub> and R<sub>10</sub>, together or separately, form, with the nitrogen atoms to

which they are attached, heterocyclic rings optionally containing a second heteroatom

other than nitrogen,

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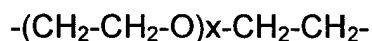
or else  $R_7$ ,  $R_8$ ,  $R_9$  and  $R_{10}$  represent a linear or branched  $C_1$ - $C_6$  alkyl radical substituted by a nitrile, ester, acyl, amide or  $-CO-O-R_{11}-D$  or  $-CO-NH-R_{11}-D$  group in which  $R_{11}$  is an alkylene and  $D$  a quaternary ammonium group;

$A_1$  and  $B_1$  represent polymethylene groups containing from 2 to 20 carbon atoms which are linear or branched, saturated or unsaturated, and which may contain, bonded to or inserted into the main chain, one or more aromatic rings, or one or more oxygen or sulphur atoms or sulfoxide, sulphone, disulphide, amino, alkylamino, hydroxyl, quaternary ammonium, ureido, amide or ester groups, and

$X^-$  is an anion;

$A_1$ ,  $R_7$  and  $R_9$  may form, with the two nitrogen atoms to which they are attached, a piperazine ring; in addition if  $A_1$  denotes a saturated or unsaturated, linear or branched alkylene or hydroxyalkylene radical,  $B_1$  may also denote a group  $-(CH_2)_n-CO-D-OC-(CH_2)_n-$  in which  $n$  is between 1 and 100 and preferably between 1 and 50, and  $D$  denotes:

a) a glycol residue of formula:  $-O-Z-O-$ , where  $Z$  denotes a linear or branched hydrocarbon radical or a group corresponding to one of the following formulae:



where  $x$  and  $y$  denote an integer from 1 to 4, representing a defined and unique degree of polymerization or any number from 1 to 4 representing a mean degree of polymerization;

b) a disecundary diamine residue such as a piperazine derivative;

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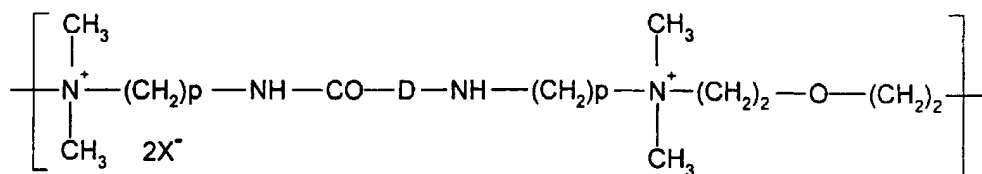
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c) a diprimary diamine residue of formula:  $\text{-NH-Y-NH-}$ , where Y denotes a linear or branched hydrocarbon radical or else the divalent radical



d) a ureylene group of formula:  $\text{-NH-CO-NH-}$ ;

*d*  
-(3) the quaternary diammonium polymers consisting of units of the following formula (IV):



(IV)

in which:

p denotes an integer varying from 1 to 6,

D is zero or represents a group  $\text{-(CH}_2\text{)}_r\text{-CO-}$  in which r denotes a number equal to 4 or to 7, and

X<sup>-</sup> is an anion;

-(4) the amine-containing silicones.